

AUG. 30. 2005 12:34PM

OBLON SPIVAK

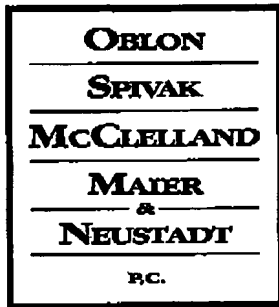
Rec'd PCT/PTO

30 AUG 2005

NO. 971

P. 1

#9



ATTORNEYS AT LAW

1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314
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TO	Ms. Barbara Campbell	August 30, 2005
	NAME	DATE
	U.S. PTO	(703) 746-6705
	COMPANY/FIRM	FAX #
NUMBER OF PAGES INCLUDING COVER: 19		CONFIRM FAX: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
FROM	Remus Fetea	255977US2 PCT
	NAME	ATTORNEY DOCKET NUMBER
	(703) 413-2383	10/501,772
	DIRECT PHONE #	APPLICATION SERIAL NUMBER

MESSAGE

Dear Ms. Campbell:

Per our earlier telephone conversation of August 30, 2005, enclosed please find copies of the papers filed in this application on April 25, 2005, and the filing receipts evidencing filing thereof.

With best regards,

Remus Fetea

Unless otherwise indicated or obvious from the nature of the transmittal, the information contained in this facsimile message is attorney privileged and confidential information intended for the use of the individual or entity named above. If the reader of this message is not the intended recipient or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error or are not sure whether it is privileged, please immediately notify us by telephone and return the original message to us at the above address via the U.S. Postal Service at our Expense. Thank You.

BEST AVAILABLE COPY

OSMM&N File No. 255977US2PCTDept.: E/MSerial No. 10/501,772By: EHK/hriIn the matter of the Application of: Ulrich BOCKELMANN, et al.For: DETECTION OF MOLECULAR PROBES FIXED TO AN ACTIVE ZONE OF A SENSORDue Date: April 24, 2005

The following has been received in the U.S. Patent Office on the date stamped hereon

- Combined Declaration, Petition & Power of Attorney 3 Pages
- Credit Card Form for \$120.00
- Dep. Acct. Order Form
- Preliminary Amendment
- Petition for Extension of Time 1 month
- Sequence Listing
- Computer Readable Form (CRF) of Sequence Listing
- Filing of Declaration
- Cover Letter



OSMM&N File No. 255977US2PCT

Dept.: E/M

By: EHK/hri

Serial No. 10/501.772

In the matter of the Application of: Ulrich BOCKELMANN, et al.

For: DETECTION OF MOLECULAR PROBES FIXED TO AN ACTIVE ZONE O
A SENSOR

Due Date: N/A

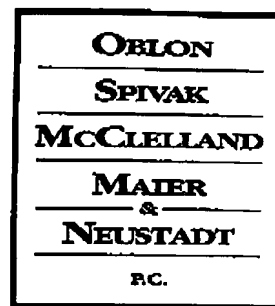
The following has been received in the U.S. Patent Office on the date stamped hereon

☒ Credit Card Form for \$40.00

☒ Dep. Acct. Order Form

☒ Assignment/PTO 1595 Pages: 3





ATTN: APPLICATION BRANCH

**THIS IS A RESPONSE TO A
NOTICE TO FILE MISSING
PARTS OF AN APPLICATION**

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

Re: Inventor: Ulrich BOCKELMANN, et al.
Serial No: 10/501,772
Filed: July 20, 2004
For: DETECTION OF MOLECULAR PROBES FIXED TO AN ACTIVE
ZONE OF A SENSOR

SIR:

Attached hereto for filing are the following papers:

Notice to File Missing Parts
Filing of Declaration/Declaration
Preliminary Amendment
Sequence Listing
Computer Readable Form (CRF) of the Sequence Listing
Petition for Extension of Time (1 month)

Our credit card payment form in the amount of \$120.00 is attached covering any required fees. In the event that any variance exists between the amount enclosed and the Patent Office charges for filing the above-noted documents, including any fees required under 37 CFR 1.136 for any necessary Extension of Time to make the filing of the attached documents timely, please charge or credit the difference to our Deposit Account No. 15-0030. Further, if these papers are not considered timely filed, then a petition is hereby made under 37 CFR 1.136 for the necessary extension of time. A duplicate of this sheet is enclosed.

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

Docket No. 255977US2PCT

Customer Number

22850

Tel. (703) 413-3000
Fax. (703) 413-2220
(OSMMN 05/03)

Eckhard H. Kuesters
Registration No. 28,870

1840 DUKE STREET ALEXANDRIA, VIRGINIA 22314 U.S.A.
TELEPHONE: 703-413-3000 FACSIMILE: 703-413-2220 WWW.OBLON.COM

AUG. 30. 2005 12:34PM

OBLON SPIVAK

NO. 971

P. 5
Page 1 of 2



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22312-1450
www.uspto.gov

U.S. APPLICATION NUMBER NO. 10/501,772	FIRST NAMED APPLICANT Ulrich Bockelmann	ATTY. DOCKET NO. 255977US2PCT
INTERNATIONAL APPLICATION NO. PCT/FR02/04283		
IA. FILING DATE 12/11/2002	PRIORITY DATE 01/21/2002	

22850
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C.
1940 DUKE STREET
ALEXANDRIA, VA 22314

CONFIRMATION NO. 8420
371 FORMALITIES LETTER
OC00000014983713

Date Mailed: 01/24/2005

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 07/20/2004
- English Translation of the IA filed on 07/20/2004
- Copy of the International Search Report filed on 07/20/2004
- Information Disclosure Statements filed on 07/20/2004
- Request for Immediate Examination filed on 07/20/2004
- U.S. Basic National Fees filed on 07/20/2004
- Priority Documents filed on 07/20/2004

RECEIVED: 1/28/05
OBLON, SPIVAK, McCLELLAND
MAIER & NEUSTADT, P.C.
DOCKETING DEPT.
Initials/Date Docketed: DP 1/28/05
Type of Resp(s): Dept 1 Seq List
Due Date(s): 3-24-05

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

The following items **MUST** be furnished within the period set forth below:

- The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s):
 - This application does not contain a "Sequence Listing" as a separate part of the disclosure on paper copy or compact disc, as required by 37 CFR 1.821(c) and PCT Rule 5.2(a).
 - A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e) and PCT Rule 13ter.1(a)(ii).
 - APPLICANT MUST PROVIDE:
 - An initial or substitute computer readable form (CRF) of the "Sequence Listing."
 - An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an

amendment directing its entry into the specification.

- For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:
 - For Rules Interpretation, call (703) 308-4216
 - To Purchase PatentIn Software, call (703) 308-2600
 - For PatentIn Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.138(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

BARBARA A CAMPBELL

Telephone: (703) 305-3631

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/501,772	PCT/FR02/04283	255977US2PCT

FORM PCT/DO/EO/905 (371 Formalities Notice)

Docket No. 255977US2PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Ulrich BOCKELMANN, et al.

SERIAL NO: 10/501,772

GAU: Unassigned

FILED: July 20, 2004

EXAMINER: Unassigned

FOR: DETECTION OF MOLECULAR PROBES FIXED TO AN ACTIVE ZONE OF A SENSOR

**REQUEST FOR EXTENSION OF TIME
UNDER 37 C.F.R. 1.136**COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

It is hereby requested that a one month extension of time be granted to April 24, 2005 for

- ☐ filing a response to the Official Action dated:
- ☐ responding to the requirements in the Notice of Allowability dated:
- ☐ filing the Formal Drawings. The Issue Fee due has been timely filed.
- ☒ responding to the Notice to File Missing Parts of Application dated: January 24, 2005
- ☐ filing a Notice of Appeal. A timely response to the final rejection, due has been filed.
- ☐ filing an Appeal Brief. A Notice of Appeal was filed on:
- ☐ Applicant claims small entity status. See 37 CFR 1.27. Therefore, the fee amount shown below is reduced by one-half.

The required fee of \$120.00 is enclosed herewith by credit card payment and any further charges may be made against the Attorney of Record's Deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

Eckhard H. Kuesters

Registration No. 28,870

Customer Number

22850Tel. (703) 413-3000
Fax. (703) 413-2220
(OSMMN 05/03)

Docket No. 255977US2PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Ulrich BOCKELMANN, et al.

SERIAL NUMBER: 10/501,772

ATTN: APPLICATION BRANCH

FILING DATE: July 20, 2004

FOR: DETECTION OF MOLECULAR PROBES FIXED TO AN ACTIVE ZONE OF A SENSOR

FILING OF DECLARATION UNDER 37 CFR 1.53(f)COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Responsive to the notification dated January 24, 2005, and in accordance with the provisions of 37 CFR 1.53(f),
Applicants submit herewith a Rule 63 Declaration.

The required fee was paid at the time of filing the application.

In light of the foregoing, this application is deemed to be in proper condition for examination and such favorable
action is earnestly solicited.

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

Eckhard H. Kuesters

Registration No.: 28,870

Customer Number

22850Tel. (703) 413-3000
Fax. (703) 413-2220
(OSMMN 05/03)

255977US2PCT

Declaration and Power of Attorney for Patent Application

Déclaration et Pouvoirs pour Demande de Brevet

French Language Declaration

En tant l'inventeur nommé ci-après, je déclare par le présent acte que:

Mon domicile, mon adresse postale et ma nationalité sont ceux figurant ci-dessous à côté de mon nom.

Je crois être le premier inventeur original et unique (si un seul nom est mentionné ci-dessous), ou l'un des premiers co-inventeurs originaux (si plusieurs noms sont mentionnés ci-dessous) de l'objet revendiqué, pour lequel une demande de brevet a été déposée concernant l'invention intitulée

et dont la description

☐ ci-joint

☐ a été déposée le _____

sous le numéro de demande des Etats-Unis ou le numéro de demande international PCT

_____ et modifiée le

_____ (le cas échéant).

Je déclare par le présent acte avoir passé en revue et compris le contenu de la description ci-dessus, revendications comprises, telles que modifiées par toute modification dont il aura été fait référence ci-dessus.

Je reconnais devoir divulguer toute information pertinente à la brevetabilité, comme défini dans le Titre 37, §1.56 du Code fédéral des réglementations.

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled.

DETECTION OF MOLECULAR PROBES FIXED TO AN ACTIVE ZONE OF A SENSOR

the specification of which

☐ is attached hereto.

☒ was filed on July 20, 2004

as United States Application Number or PCT International Application Number

10/501,772

and was amended on

_____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

French Language Declaration

Je revendique par le présent acte avoir la priorité étrangère, en vertu du Titre 35, §119(a)-(d) ou § 365(b) du Code des Etats-Unis, sur toute demande étrangère de brevet ou certificat d'inventeur ou, en vertu du Titre 35, §365(a) du même Code, sur toute demande internationale PCT désignant au moins un pays autre que les Etats-Unis et figurant ci-dessous et, en cochant la case, j'ai aussi indiqué ci-dessous toute demande étrangère de brevet, tout certificat d'inventeur ou toute demande internationale PCT ayant une date de dépôt précédant celle de la demande à propos de laquelle une priorité est revendiquée.

Prior Foreign Application(s)

Demande(s) de brevet antérieure(s) dans un autre pays.

<u>02-00676</u>	<u>France</u>
(Number)	(Country)
(Numéro)	(Pays)
<u> </u>	<u> </u>
(Number)	(Country)
(Numéro)	(Pays)

Je revendique par le présent acte tout bénéfice, en vertu du Titre 35, §119(e) du Code des Etats-Unis, de toute demande de brevet provisoire effectuée aux Etats-Unis et figurant ci-dessous.

<u> </u>	<u> </u>
(Application No.)	(Filing Date)
(N° de demande)	(Date de dépôt)

Je revendique par le présent acte tout bénéfice, en vertu du Titre 35, §120 du Code des Etats-Unis, de toute demande de brevet effectuée aux Etats-Unis, ou en vertu du Titre 35, §365(c) du même Code, de toute demande internationale PCT désignant les Etats-Unis et figurant ci-dessous et, dans la mesure où l'objet de chacune des revendications de cette demande de brevet n'est pas divulgué dans la demande antérieure américaine ou internationale PCT, en vertu des dispositions du premier paragraphe du Titre 35, §112 du Code des Etats-Unis, je reconnais devoir divulguer toute information pertinente à la brevetabilité, comme défini dans le Titre 37, §1.56 du Code fédéral des réglementations, dont j'ai pu disposer entre la date de dépôt de la demande antérieure et la date de dépôt de la demande nationale ou internationale PCT de la présente demande:

<u>PCT/FR02/04283</u>	<u>11 December 2002</u>
(Application No.)	(Filing Date)
(N° de demande)	(Date de dépôt)
<u> </u>	<u> </u>
(Application No.)	(Filing Date)
(N° de demande)	(Date de dépôt)

Je déclare par le présent acte que toute déclaration ci-incluse est, à ma connaissance, véridique et que toute déclaration formulée à partir de renseignements ou de suppositions est tenue pour véridique; et de plus, que toutes ces déclarations ont été formulées en sachant que toute fausse déclaration volontaire ou son équivalent est passible d'une amende ou d'une incarcération, ou des deux, en vertu de la §1001 du Titre 18 du Code des Etats-Unis, et que de telles déclarations volontairement fausses risquent de compromettre la validité de la demande de brevet ou du brevet délivré à partir de celle-ci.

I hereby claim foreign priority under Title 35, United States Code, §119 (a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Priority Claimed
Droit de priorité
Revendiqué

<u>21 January 2002</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(Day/Month/Year Filed)	Yes	No
(Jour/Mois/Année de dépôt)	Oui	Non
<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>
(Day/Month/Year Filed)	Yes	No
(Jour/Mois/Année de dépôt)	Oui	Non

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

<u> </u>	<u> </u>
(Application No.)	(Filing Date)
(N° de demande)	(Date de dépôt)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

<u> </u>
(Status: Patented, Pending, Abandoned)
(Statut : breveté, en cours d'examen, abandonné)

<u> </u>
(Status: Patented, Pending, Abandoned)
(Statut : breveté, en cours d'examen, abandonné)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

French Language Declaration

POUVOIRS: En tant que l'inventeur cité, je désigne par la présente l'(les) avocat(s) suivant(s) pour qu'ils poursuive(nt) la procédure de cette demande de brevet et traite(nt) toute affaire s'y rapportant avec l'Office des brevets et des marques: (mentionner le nom et le numéro d'enregistrement).

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: (list name and registration number)

Customer Number

22850

Addresser toute correspondance à:

Send Correspondence to:

Customer Number

22850

Adresser tout appel téléphonique à:
(nom et numéro de téléphone)

Direct Telephone calls to: (name and telephone number)

(703) 413-3000

Nom complet de l'unique ou premier inventeur	Full name of sole or first inventor Ulrich BOCKELMANN
Signature de l'inventeur	Inventor's signature
Date	Date
Domicile	Residence 33, rue des Cascades, F-75020 Paris France
Nationalité	Citizenship Germany
Adresse Postale	Mailing Address Same as Above

Nom complet du deuxième co-inventeur, le cas échéant	Full name of second joint inventor, if any Francois POUTHAS
Signature de l'inventeur	Second inventor's signature
Date	Date
Domicile	Residence 107 Boxberggring, 65117 Heidelberg Germany
Nationalité	Citizenship France
Adresse Postale	Mailing Address Same as Above

Docket No.: 255977US2PCT

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF: :
ULRICH BOCKELMANN, et al. : ATTN: APPLICATION DIVISION
SERIAL NO: 10/501,772 :
FILED: JULY 20, 2004 :
FOR: DETECTION OF MOLECULAR PROBES FIXED TO AN ACTIVE ZONE OF A
SENSOR

PRELIMINARY AMENDMENT AND STATEMENT

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313-1450

SIR:

Prior to examination on the merits and in response to the Notice to File Missing Parts
mailed January 24, 2005, please amend the above-identified application as follows:

Amendments to the Specification begin on page 2 of this response.

Remarks begin on page 3 of this response.

Application Serial No. 10/501,772
Preliminary Amendment and Statement

AMENDMENTS TO THE SPECIFICATION

Please delete the original Sequence Listing.

Please amend the paragraph beginning at page 14, line 37, as follows:

For the experiment in figure 9C, the technique for PCR amplification of a 1009 base pair DNA fragment uses ~~bacteriophage~~ bacteriophage λ DNA digested with the BstEII enzyme, using two primers:

5' – CCG CGA ACT GAC TCT CCG CC (SEQ ID NO: 1)

and 3' – CAG GCG GCA GGG CTG ACG TT (SEQ ID NO: 2).

Page 22, after the last line, beginning on a new page 23, please insert the attached Abstract, which is believed to be in full compliance with 37 C.F.R. §1.72.

Page 23 (Abstract), after the last line, beginning on a new page, please insert the attached substitute Sequence Listing.

Application Serial No. 05/501,772
Preliminary Amendment and Statement

REMARKS

Claims 1-17 are pending in the present application.

Applicants submit herewith a substitute Sequence Listing and a corresponding computer-readable Sequence Listing. The sequence information recorded in the corresponding computer-readable Sequence Listing is identical to the paper copy of the substitute Sequence Listing. Support for all of the sequences listed in the substitute Sequence Listing is found in the present application. The specification has been amended to include sequence identifiers. No new matter is believed to have been introduced by, the amendment to the specification, the submission of the substitute Sequence Listing, and the corresponding computer-readable Sequence Listing.

The specification has also been amended at page 14, line 39 to correct a typographical error in the word "bacteriophage." Finally, Applicants submit herewith an Abstract, which is believed to be in compliance with 37 C.F.R. §1.72. No new matter has been entered by this amendment or the submission of the enclosed Abstract.

Applicants submit that the present application is in condition for examination on the merits. Early notification to this effect is respectfully requested.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

Eckhard H. Kuesters
Attorney of Record
Registration No. 28,870

Customer Number
22850

Tel: (703) 413-3000
Fax: (703) 413-2220
(OSMMN 08/03)
EHK/VKS

ABSTRACT

The present invention relates to a method for detecting at least one parameter representative of molecular probes fixed to zones of a sensor.

SEQUENCE LISTING

<110> BOCKELMANN, ULRICH
POUTHAS, FRANCOIS

<120> DETECTION OF MOLECULAR PROBES FIXED TO AN ACTIVE ZONE OF A SENSOR

<130> 255977US2PCT

<140> 10/501,772

<141> 2004-07-20

<150> PCT/FR02/04283

<151> 2002-12-11

<150> FR 02/00676

<151> 2002-01-21

<160> 2

<170> PatentIn version 3.3

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Atty Docket No.: 255977US2PCT

FORM PTO-1595
06-04

RECORDATION FORM COVER SHEET

PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Director of the United States Patent and Trademark Office. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Ulrich BOCKELMANN
François POUTHAS

2. Name and address of receiving party(ies):

Name: CENTRE NATIONAL DE LA RECHERCHE
SCIENTIFIQUE
Address: 3, Rue Michel-Ange 75794 Paris cedex 16 FranceAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: March 30, 2005 and March 31, 2005

Additional name(s) and address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

☐ This document is being filed together with a new application

A. Patent Application No.(s)

10/501,772

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Customer Number

22850

Tel. (703) 413-3000
Fax. (703) 413-2220

6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number: 15-0030
(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Eckhard H. Kuesters

Name of Person Signing

Signature

Date

Registration Number: 28,870

Total number of pages including this cover sheet: 3

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Mail documents to be recorded with required cover sheet information to:

Director of the United States Patent and Trademark Office
Mail Stop Assignment Recordation Services
Alexandria, Virginia. 22313

255977US2PCT

Page 1 of 2

Assignment of Application

INVENT NAME
AND RESIDENCE
ADDRESS OF
THE INVENTOR

WHEREAS, I (WE) Ulrich BOCKELMANN of 93, rue des Cascades 75020 Paris France
François POUTHAS of 107 Boxergring 6SM7 Heidelberg Germany

INVENT TITLE OF
INVENTION

have invented certain new and useful improvements in: DETECTION OF MOLECULAR PROBES FIXED TO AN
ACTIVE ZONE OF A SENSOR

(Application No. 10/501,772

, filed July 20, 2004

), and

INVENT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

WHEREAS, CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE

(hereinafter referred to as "ASSIGNEE") having a place of business at: 3, Rue Michel-Ange 75794 Paris cedex 16
France is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters
Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign
countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby
acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer
unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial
possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which
may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in
and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions
and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the
assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE,
its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and
entirely as the same would have been held by me (us) had this Assignment and sale not been made.

12/04

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 30/3/05

(Signature of Inventor)

Ulrich BOCKELMANN

Date: 31/3/05

(Signature of Inventor)

François POUTHAS

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

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